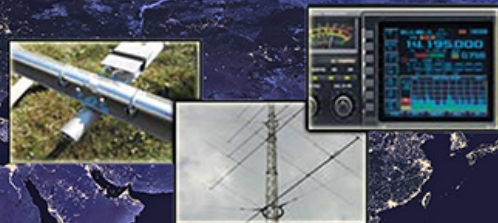




Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



Home

Meetings

Members

Officers

Newsletter

E. Iowa DX Bulletin

Buy-Sell-Trade

DXCC Card Checking

About EIDXA

History

Constitution & Bylaws

DX Resources

## The Eastern Iowa DX Bulletin

Number 305, December 19, 2025

**Craig Fastenow, KØCF, Editor**

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

This bulletin is available via email subscription only. See

<http://www.arrl.org/bulletins> to subscribe. (The online archive is no longer updated.)

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

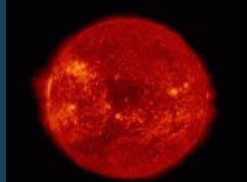
Dr. Tony Phillips' [SpaceWeather.com](http://www.SpaceWeather.com), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



### Solar-Terrestrial Data

20 Dec 2025 1818 GMT  
SFI: 118 SN: 47  
A-Index: 6  
K-Index: 1  
X-Ray: B7.2  
304A: 129.8 @ SEM  
Ptn Flx: 8  
Elc Flx: 2570  
Aurora: 1/n=1.99  
Mag (Bz): -1.7  
Solar Wind: 423.8  
Geomag Field VR QUIET  
Sig Noise Lvl S0-S1  
Current Solar Image



<http://www.n0nbh.com>  
Copyright Paul L. Herrman 2023

4916

## DX News

**4X, ISRAEL.** A Christmas 2025 operation will be conducted from Israel on **December 25th-31st**. Four groups of operators capable of providing QSOs in FT8, SSB, CW and via satellite will be QRV as **4X25X, 4X25M, 4X25A** and **4X25S**. For more information, see: <https://www.iarc.org/xmas-2025/>. QSL via [4X6ZM](#), bureau or direct.

-[425DXN # 1807 December 20, 2025] (1219-0102)

**4X, ISRAEL.** Celebrating Hanukkah, the Israel Association of Radio Communication will be running special event stations **4X8NER** and **4Z8NER** from **December 14th to 22nd**. A certificate will be

available at <https://tools.iarc.org/chanukah25/>. QSL via [4Z5MU](#) or LoTW.

-[425DXN # 1805 December 6, 2025] (1212-1226)

**5R, MADAGASCAR.** Eric, F6ICX, is QRV as **5R8IC** from Sainte-Marie Island (AF-090) **until the end of December**. Activity is on the HF bands using CW, SSB, FT8, FT4, and Satellite QO-100. QSL to [F6ICX](#).

-[ARRL DX Bulletin # 49 December 4, 2025] (1205-0102)

**6Y, JAMAICA.** Lester, W8YCM, is QRV as both **W8YCM/6Y** and **6Y8LV** **until mid-January 2026**. Activity is holiday style on 17, 12, and 10 meters using SSB. QSL direct to [W8YCM](#).

-[ARRL DX Bulletin # 50 December 11, 2025] (1212-0116)

**9A, CROATIA.** Special event station **9A169TESLA** is QRV **until December 31st** to celebrate Nikola Tesla's birthday. QSL via operators' instructions.

-[ARRL DX Bulletin # 49 December 4, 2025] (1205-0102)

**9K, KUWAIT.** The special event station **9K9QATAR** marks Qatar's national day (December 18th), QRV from **December 18th to 22nd**.

-[DXNL # 2489 December 17, 2025] (1219-1226)

**9Y, TRINIDAD & TOBAGO.** Earl, WA3DX will be active as **9Y9DX** from Arouca, Trinidad (SA-011) on **December 17th-29th**. He will operate mainly FT8 and FT4 on 40-10 meters. QSOs will be uploaded to ClubLog. QSL via LoTW, or direct to [WA3DX](#).

-[425DXN # 1805 December 6, 2025] (1212-0102)

**A4, OMAN.** The special event station **A43QAT** marks Qatar's national day (December 18th), QRV from **December 18th to 22nd**.

-[DXNL # 2489 December 17, 2025] (1219-1226)

**A6, UNITED ARAB EMIRATES.** Special event station **A6ØQATAR** is QRV **until December 22nd** to join in celebration of Qatar National Day. QSL via operators' instructions.

-[ARRL DX Bulletin # 51 December 18, 2025] (1219-1226)

**A7, QATAR.** Special callsign **A71QND** by the Qatar Amateur Radio Society celebrates Qatar National Day (**December 18th**). Also taking part in the celebrations will be the Bahrain Amateur Radio Society as **A91QTR** on **December 12th-18th**, and the Emirates Amateur Radio Society as **A6ØQATAR** on **December 18th-22nd** (individual operators may append a serial number to the special callsign), and possibly the Kuwait Amateur Radio Society (**9K9QATAR**), the Royal Omani Amateur Radio Society as **A43QAT**, and the Saudi Amateur Radio Society (**HZ1QATAR**).

-[425DXN # 1806 December 13, 2025] (1212-1226)

**A9, BAHRAIN.** The special event station **A91QTR** marks Qatar's national day (December 18th), QRV from **December 18th to 22nd**.

-[DXNL # 2489 December 17, 2025] (1219-1226)

**C5, THE GAMBIA.** Andre, ON7YK, is QRV as **C5YK** from Kotu **until January 25th**. Activity is on 20 to 10 meters using SSB, RTTY, FT8, FT4, and some CW. QSL via LoTW.

-[ARRL DX Bulletin # 49 December 4, 2025] (1205-0123)

**CE9, ANTARCTICA.** Oleg, ZS1ANF, has returned to Wichaway (WAP MNB-11) and operates as **ZS7ANF** on 17, 15, and 10m CW. QSL via [RK1PWA](#).

-[DXNL # 2489 December 17, 2025] (1219-0109)

**CE9, ANTARCTICA.** Lasse, DL9LU is the IT engineer and radio operator of the new overwintering team at Neumayer III Station, Antarctica (AN-016). He arrived on November 18th and will remain there **until shortly before Christmas 2026**. He will be active as **DPØGVN**; QSL for both HF and QO-100 contacts via [ClubLog's OQRS](#), LoTW, or via [DL4BBH](#).

-[425DXN # 1803 November 22, 2025] (1121-1226)

**CE9, ANTARCTICA.** Alex, UG1A, operating as **RI1ANI**, is expected to leave Novolazarevskaya Station on December 1st, and head to Progress station. From **December 5th onwards**, he will take part in the

traverse from Progress to Vostok Station, where he will stay for approximately 40 days. QSL via [ClubLog's OQRS](#), or via [RN1ON](#).

-[425DXN # 1805 December 6, 2025] (1205-0102)

**CEØY, EASTER I.** Jorge, **CEØYHF**, is QRV **until the end of December** while on work assignment in the Hanga Roa hospital. Activity is in his spare time. QSL via [CEØYHF](#).

-[ARRL DX Bulletin # 46 November 13, 2025] (1114-1226)

**CN, MOROCCO.** Members of the Association Royale des Radioamateurs du Maroc will be active as **CN35CAN** during the 35th edition of the Africa Cup of Nations, the biennial international competition for African football (soccer) teams. Morocco will host the tournament from **December 21st to January 18th**. QSL direct to [CN35CAN](#).

-[425DXN # 1806 December 13, 2025] (1219-0123)

**CN, MOROCCO.** Special callsign **CN25JIM** will be active from **December 8th to 21st**, and **especially on December 13th**, from the Middle Atlas mountain range of Morocco. The special callsign's suffix stands for Journee Internationale de la Montagne (International Mountain Day). QSL via operator's instructions.

-[425DXN # 1805 December 6, 2025] (1205-1226)

**CT, PORTUGAL.** Special callsign **CS25XMAS** by members of the National Association of Portuguese Radio Operators and Radio Amateurs (CS5RP) celebrates Christmas on **December 19th-25th**. QSL via email: [anarpt2020+xmas@gmail.com](mailto:anarpt2020+xmas@gmail.com).

-[425DXN # 1807 December 20, 2025] (1219-1226)

**D4, CAPE VERDE.** Beni, HB9HNT, is QRV as **D4NT** **until January 1st**. Activity is on the HF bands. QSL to [HB9HNT](#).

-[ARRL DX Bulletin # 51 December 18, 2025] (1219-0102)

**DXCC TOP TWENTY.** Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of December 19, 2025:

|          |                    |          |                                  |
|----------|--------------------|----------|----------------------------------|
| 1. P5    | DPRK (North Korea) | 11. KH4  | Midway Island                    |
| 2. KH3   | Johnston Island    | 12. VKØM | Macquarie Island                 |
| 3. KH7K  | Kure Island        | 13. EZ   | Turkmenistan                     |
| 4. CEØX  | San Felix Islands  | 14. KP5  | Desecheo Island                  |
| 5. FT5/X | Kerguelen Island   | 15. PYØS | Saint Peter And Paul Rocks       |
| 6. BS7H  | Scarborough Reef   | 16. VPØS | South Sandwich Islands           |
| 7. BV9P  | Pratas Island      | 17. YK   | Syria                            |
| 8. YVØ   | Aves Island        | 18. ZL9  | New Zealand Subantarctic Islands |
| 9. 3Y/P  | Peter 1 Island     | 19. VKØH | Heard Island                     |
| 10. 3Y/B | Bouvet Island      | 20. FT/T | Tromelin Island                  |

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF December 19, 2025] (1219-0109)

**EA, SPAIN.** The radio club in Palencia uses the callsign **EG1SANTA** **until the end of the year**. QSL via [EC1R](#).

-[DXNL # 2489 December 17, 2025] (1219-0102)

**EA, SPAIN.** Members of the Jaen Amateur Radio Union (URJ) celebrate their city's jubilee with the callsign **AM12ØØJ** **until December 28th**. For awards see [AM1200J](#) on qrz.com. QSL via [EA7URJ](#).

-[DXNL # 2487 December 3, 2025] (1205-1226)

**EA, SPAIN.** Throughout December, **AO25YOTA** will be one of many stations worldwide getting on the air to support YOTA (Youngsters on the Air) activity. For more information see: <https://events.ham-yota.com>.

-[DXNL # 2487 December 3, 2025] (1205-1226)

**EA, SPAIN.** Celebrating Christmas and the New Year from the city of Vigo, **EG1NV** will be active from **December 2nd to January 12th**. See <https://www.qrz.com/db/EG1NV> for more information. QSL via LoTW, eQSL, and QRZ Logbook.

-[425DXN # 1804 November 29, 2025] (1128-0109)

**F, FRANCE.** Dominique, F4JMX is going to put the callsign **TM63SC** on the air from **December 17th to 31st**. It was used in previous years by F8DZU (Jean-Pierre), who became silent key earlier this year.  
-[DXNL # 2489 December 17, 2025] (1219-0102)

**F, FRANCE.** To mark the 60th anniversary since the first French satellite, named Asterix, was launched into orbit (November 26, 1965), members of the Wingles Radio Club (F4KLR) will be active as **TM60ATX** on **Fridays and Saturdays between November 14th and December 13th**, and again on **December 19th-23rd**. All SSB and CW QSOs will be confirmed automatically via the bureau; FT8 QSOs will be confirmed via eQSL. Or, QSL direct via [F4KLR](#).  
-[425DXN # 1800 November 1, 2025] (1114-1226)

**FS, SAINT MARTIN.** Giovanni, IZ2DPX, will be active from both parts of the island (NA-105) as **FS/IZ2DPX** and PJ7/IZ2DPX from **December 13th to 21st**. QRV on 60-6m with 100W on SSB and FT8/4. QSL via [IZ2DPX](#).  
-[DXNL # 2488 December 10, 2025] (1212-1226)

**FY, FRENCH GUIANA.** Pierre-Jean, F4GPK will be active again as **TO2FY** from Korou, French Guiana from **December 22nd to January 15th**. Activity will be mostly on 20, 15, and 10 meters using SSB only. He does not do paper QSLs or ClubLog. QSL only via LoTW and eQSL.  
-[425DXN # 1806 December 13, 2025] (1219-0116)

**G, ENGLAND.** Carl, MØICR, remains active as **GB1SANTA** until **December 25th**. An award is also available (see [GB1SANTA](#)).  
-[DXNL # 2487 December 3, 2025] (1205-1226)

**HA, HUNGARY.** The first official, regular radio broadcast in Hungary began on December 1, 1925, which is now celebrated as Hungarian Radio Day. To mark that centenary, the Hungarian Radio Amateur Society (MRASZ) and the Honfy Jozsef Radioclub (HA1KHJ) organize a commemorative activity to be held from **November 15th to December 31st** under nine special callsigns: **HG100RADIO**, **HG100YHRB**, **HG100AN**, **HG100EG**, **HG100FO**, **HG100IT**, **HG100RC**, **HG100SD** and **HG100UD**. Look for activity on 160-10m CW, SSB & digital modes, and via QO-100. A certificate will be available: <https://mrasz.org/100-years-of-hungarian-broadcasting-award>.  
-[425DXN # 1802 November 15, 2025] (1114-0102)

**HB, SWITZERLAND.** Club HB9IPA continues to celebrate their club's 70th anniversary with the special callsign **HB70IPA** until the end of 2025 on HF and via QO-100.  
-[DXNL # 2487 December 3, 2025] (1205-0102)

**HR, HONDURAS.** Alex, K6VHF, will be QRV as **K6VHF/HR9** from Roatan Island (NA-057) from **December 13th to 20th**. Activity will be on 80 to 6 meters using FT8, FT4, SSB, RTTY, and CW. QSL via [K6VHF](#).  
-[ARRL DX Bulletin # 51 December 18, 2025] (1219-1226)

**HR, HONDURAS.** Gerard, F2JD will be active again as **HR5/F2JD** from Copan, Honduras from **November 15th to March 12, 2026**. He will operate CW, SSB and FT8/ FT4 on the HF bands. Log search on <http://LesNouvellesDX.fr/voirlogs.php>. QSL via [F6AJA](#).  
-[425DXN # 1799 October 25, 2025] (1114-1226)

**HS, THAILAND.** Special event callsign **HS25SG** will be activated on **December 1st-30th** to celebrate the 33rd Southeast Asian Games and as part of the "SatFinder" educational campaign, which promotes space, satellite, and radio science to students and the general public through amateur radio activities. See <https://www.qrz.com/db/HS25SG> for more information. QSL via [ClubLog's QQRS](#), LoTW, and QRZ Logbook.  
-[425DXN # 1804 November 29, 2025] (1128-0102)

**HZ, SAUDI ARABIA.** The special event station **HZ1QATAR** marks Qatar's national day (December 18th), QRV from **December 18th to 22nd**.  
-[DXNL # 2489 December 17, 2025] (1219-1226)



**I, ITALY.** ARI section Gorizia remains active as **I13GONG** until December 29th.

-[DXNL # 2489 December 17, 2025] (1219-0102)

**JA, JAPAN.** Take, JI3DST will be active as **JS6RRR** from Miyako Island (AS-079) from December 11th until April 17th. He will operate SSB, CW and FT8 on 40-6m. Other call signs to be used are **JI3DST/6**, **JJ5RBH/6**, **JI3DST/p** and **JJ5RBH/p**. QSOs will be uploaded to ClubLog and LoTW.

-[425DXN # 1805 December 6, 2025] (1205-0102)

**K, UNITED STATES.** The Charles County Amateur Radio Club will use special event call sign **N3V** to commemorate the anniversary of the first wireless voice transmission, achieved by Reginald Fessenden 125 years ago. Look for activity from December 19th to 26th, and especially on the actual anniversary day (December 23rd). QSL via [N3YRZ](https://www.n3yrz.com).

-[425DXN # 1807 December 20, 2025] (1219-1226)

**OA, PERU.** The Peruvian Radio Club celebrates its 95th anniversary with the call sign **4T95O** during December. QRV on 40-10 meters, as well as on 6m, 2m and 70cm, CW, SSB, RTTY, FM, and FT8. For QSL information (including a downloadable eQSL) see: <https://www.0a40.pe>

-[DXNL # 2486 November 26, 2025] (1128-0102)

**OE, AUSTRIA.** Special call sign **OEØYOTA** is going to take part in the December YOTA Month 2025 events.

-[DXNL # 2486 November 26, 2025] (1128-0102)

**ON, BELGIUM.** Commemorating the 81st anniversary of the Battle of the Bulge during World War II, members of UBA Section Bruxelles-Est (ON5UB) will be active as **OR81NUTS** from December 13th to 31st. The suffix of the special call sign is General Anthony C. McAuliffe's famous single-word reply in response to a surrender ultimatum.

-[425DXN # 1805 December 6, 2025] (1205-0102)

**PA, NETHERLANDS.** Special call signs celebrating Christmas and the New Year from the Netherlands include:

**PA25SANTA** Dec 1 - Jan 1 QSL via [PA1AW](https://www.pa1aw.nl)

**PA25XMAS** Dec 1-31 no QSL, certificate on QRZ

**PD25STAR** Dec 1-31 no QSL, certificate on QRZ

**PD26HNY** Dec 1 - Jan 31 no QSL, certificate on QRZ

**PF25XMAS** Dec 1-31 QSL via [PC1k](https://www.pc1k.nl); certificate on QRZ

**PH25XMAS** Dec 6-28 no QSL, certificate on <https://award.pa3efr.nl>

**PH26HNY** Dec 28 - Jan 5 no QSL, certificate on <https://award.pa3efr.nl>

**PI25XMAS** Dec 1-31 no QSL, certificate on QRZ

More information can be found on <https://www.qrz.com/db/PD25XMAS>.

-[425DXN # 1804 November 29, 2025] (1128-0102)

**PA, NETHERLANDS.** Special call sign **PA8ØVERON** celebrates the 80th anniversary of the Vereniging voor Experimenteel Radio Onderzoek (VERON) until the end of November. During December, **PA1ØØIARU** joins IARU celebrations. QSLs via [PA1AW](https://www.pa1aw.nl).

-[DXNL # 2486 November 26, 2025] (1128-1226)

**PJ7, SINT MAARTEN.** Giovanni, IZ2DPX, will be active from both parts of the island (NA-105) as **PJ7/IZ2DPX** and **FS/IZ2DPX** from December 13th to 21st. QRV on 60-6m with 100W on SSB and FT8/4. QSL via [IZ2DPX](https://www.iz2dpx.com).

-[DXNL # 2488 December 10, 2025] (1212-1226)

**PZ, SURINAME.** Joe, OZØJ will be active as **PZ5OZ** from PZ5RA's rental shack at Lelydorp, Suriname from December 21st to January 2nd. He will operate CW, SSB, FT8 (F/H) and possibly RTTY on 160-6 meters. Note: Do NOT mail direct cards to OZØJ, as the Danish postal operator will discontinue letter delivery service on December 30. See <https://pz5oz.oz0j.dk> for more information. QSL via [ClubLog's](https://www.clublog.com) [OQRS](https://www.clublog.com) (preferred), LoTW, and eQSL.

-[425DXN # 1805 December 6, 2025] (1219-0102)

**S2, BANGLADESH.** Team **S21DX** will be active from Kutubdia Island (AS-127) on December 21st-27th. They will try to be QRV for at least 18 hours a day, depending on generator, fuel and available

operators. Plans are to operate SSB and FT8 on 160-10 meters, plus QO-100. See <https://s21dx.org/> for more information. All QSOs will be uploaded to LoTW and ClubLog. Paper QSL via [EB7DX](#).

-[425DXN # 1795 September 27, 2025] (1219-1226)

**SM, SWEDEN.** Radio club SK3GK is QRV with special callsign **SM1ØØXF** until **December 31st** to mark the first radio broadcast 100 years ago from Gaevle. QSL via bureau.

-[ARRL DX Bulletin # 49 December 4, 2025] (1205-0102)

**SP, POLAND.** Tadeusz Heftman, TPAX made the first amateur radio contact confirmed by a QSL card between Poland and a station from outside the country (NØPM in the Netherlands) on December 6, 1925. Commemorating that milestone, special event station **SNØTPAX** will operate CW and SSB **throughout December**. The activity is organized by the PZK and the SP DX Club. All QSOs will be confirmed automatically via the bureau.

-[425DXN # 1804 November 29, 2025] (1128-1226)

**SP, POLAND.** Special callsign **HF4SES** will be in use from **October 31st to December 31st** to mark the launch of RadioAwards.club, a "platform designed for organizing and managing ham radio award events worldwide". See <https://radioawards.club/ses/premier-event> for more information and the certificate.

-[425DXN # 1801 November 8, 2025] (1107-1226)

**SV, GREECE.** Tom, OE4EIE operates as **SV/OE4EIE** from **December 21st until January 4th**.

-[DXNL # 2489 December 17, 2025] (1219-0109)

**SV, GREECE.** On December 1, 1913, the island of Crete was officially integrated into the Greek state after centuries of Ottoman rule. **SX1913C** is a special callsign that will commemorate that event from **December 15th to 21st**. The operators will be SV1TAO, SV7JAX, SV8RSX and SV9TNA. Electronic QSL cards will be sent by email.

-[425DXN # 1805 December 6, 2025] (1212-1226)

**TA, TURKEY.** Special event callsign **TC25YOTA**, staffed by youngsters, will be active **throughout December**. See also: <https://events.ham-yota.com>. QSL via [ClubLog's OQRS](#).

-[DXNL # 2487 December 3, 2025] (1205-0102)

**TG, GUATEMALA.** Todd, AF4CZ, will be active holiday style as **TG9/AF4CZ** from Guatemala from **December 7th to January 5th**. He will operate mainly FT8/FT4 on 40-10 meters. QSOs will be uploaded to LoTW, eQSL and ClubLog.

-[425DXN # 1804 November 29, 2025] (1205-0109)

**TL, CENTRAL AFRICA.** Joao, CR7BNW will be active as **TL8BNW** from Bangui, Central African Republic **for six months**. During his stay he will be QRV on 40, 20, 15, and 10 meter SSB and FT8. He has already conducted some preliminary tests in preparation for his first activity, which is scheduled for **December 20th-25th**. QSL via LoTW, and QRZ.

-[425DXN # 1807 December 20, 2025] (1219-0123)

**TR, GABON.** Roland, F8EN, is QRV as **TR8CR** until **December 25th**. QSL via [F6AJA](#).

-[ARRL DX Bulletin # 51 December 18, 2025] (1219-1226)

**V5, NAMIBIA.** Gunter, DK2WH is QRV as **V51WH** from Omaruru **until March 24, 2026**. Activity is on 160 to 6 meters using SSB, RTTY, FT8, and some CW. He will be active as **V55Y** in various contests. QSL to [DK2WH](#).

-[ARRL DX Bulletin # 47 November 20, 2025] (1121-1226)

**VK, AUSTRALIA.** The callsign **VK2SANTA** remains on the air **until December 24th**.

-[DXNL # 2488 December 10, 2025] (1212-1226)

**VP5, TURKS & CAICOS.** Mark, AA2MA will be QRV as **VP5/AA2MA** from Caicos Island (NA-002) **during December**. Activity will be on his free time on 40, 20, and 10 meters using CW or FT8. QSL via [AA2MA](#).

-[ARRL DX Bulletin # 51 December 18, 2025] (1219-0102)

**VP8/H, SOUTH SHETLAND IS.** Ivo, LZ1AAW, will be QRV in his spare time as **LZØA** from St. Kliment Ohridski on Livingston Island (AN-010) from **late December until mid-February**. QSL via [LZ1JZ](#).  
-[ARRL DX Bulletin # 51 December 18, 2025] (1219-0213)

**XU, CAMBODIA.** Tom, DL7BO, will be QRV as **XU7GNY** from **December 22nd to January 18th**. Activity will be on 160 through 6 meters using CW, SSB, and FT8, and concentrating on the lower bands. QSL direct via [DJ4WK](#).  
-[ARRL DX Bulletin # 51 December 18, 2025] (1219-0123)

**YO, ROMANIA.** Members of the YO3KRM Radioclub will run a Christmas Special Event on December 5th-31st, with three special callsigns: **YOØHOHO**, **YOØXMAS**, and **YRØUDOLPH**. QSL via [YO3GND](#). Certificates will be available, see [YOØHOHO](#) for the details.  
-[425DXN # 1804 November 29, 2025] (1205-0102)

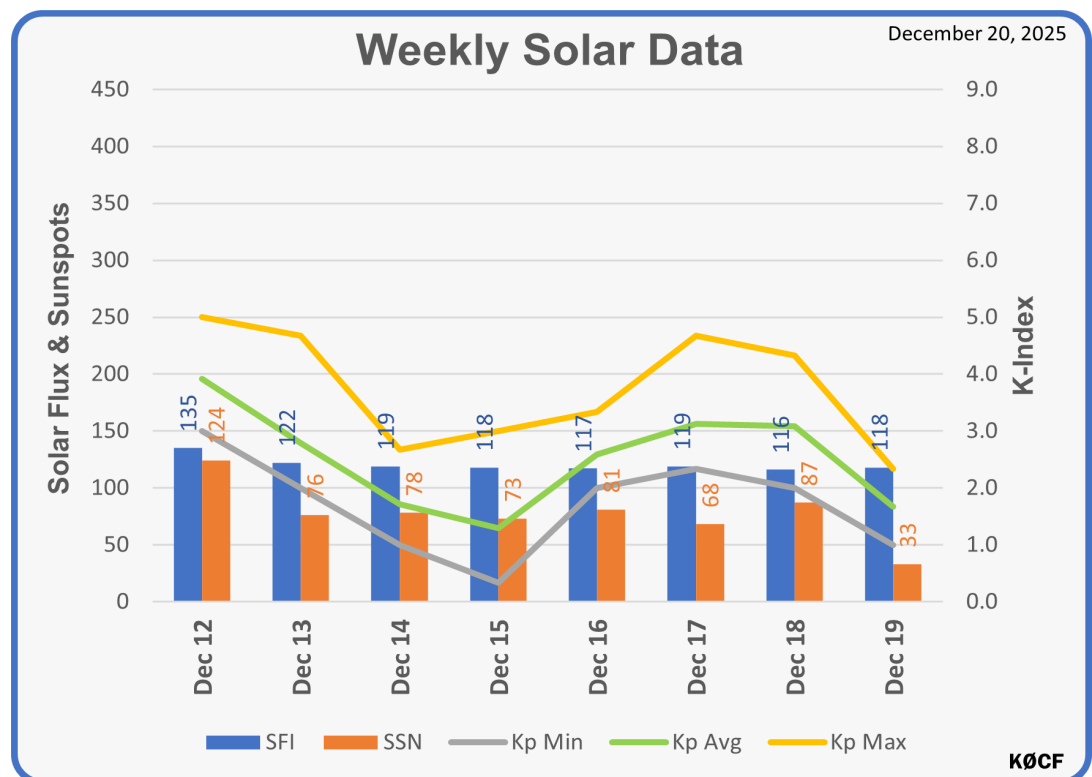
**YU, SERBIA.** Special call signs **YT25YOTA** and **YU25YOTA** are active **throughout December** in celebration of IARU Region 1 Young Radio Operators Month. QSL via operators' instructions.  
-[ARRL DX Bulletin # 51 December 18, 2025] (1219-0102)

**Z8, SOUTH SUDAN.** Diya, YI1DZ, will be QRV as **Z81D** from Juba from **December 14th to March 10th**. Activity will be in his spare time. QSL to [YI1DZ](#).  
-[ARRL DX Bulletin # 50 December 11, 2025] (1212-0116)

**ZA, ALBANIA.** Tom, OE4EIE operates as **ZA/OE4EIE** on **December 19th and 20th**, and again from **January 4th to 6th**. QSL to [OE4EIE](#).  
-[DXNL # 2489 December 17, 2025] (1219-0109)

**ZL, NEW ZEALAND.** Special callsign **ZL6ØPAH** will be used by Phil, ZL3PAH from **November 23rd to February 22, 2026**, to celebrate his diamond jubilee in amateur radio. He will operate CW, RTTY, and "maybe a little SSB too" on 80-10 meters. QSL via LoTW.  
-[425DXN # 1802 November 15, 2025] (1121-0220)

## Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

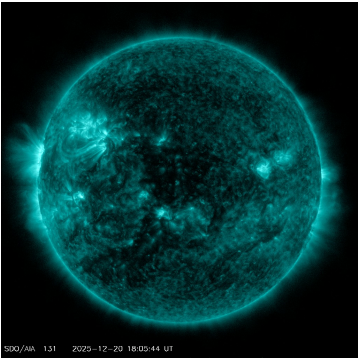
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

*Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.*

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



**Propagation Summary**

For the 8 day period from Friday, December 12th through yesterday, December 19th.

The average solar flux was 118, down 55 points from the previous week, with a weekly high of 135 on Friday, December 12th, followed by a low of 116 on December 18th.

The average sunspot count was 71, down by 61 from last week, peaking at 124 on Friday, December 12th followed by a weekly low of 33 on December 19th.

The Planetary K-index weekly average was 3.8 with a maximum of 5.0 on Friday, December 12th, indicating a minor geomagnetic storm. Yesterday's K-index maximum was 2.3 with generally quiet conditions.

Solar flare activity since December 13th has been quiet with only 2 major flares, the largest of which was an M 1.0 event on Saturday, December 20th.

**Propagation Data**

Major solar flares, Saturday, December 13th through 1441 UTC, December 20th.

| # | Date   | UTC  | Mag.  |
|---|--------|------|-------|
| 1 | Dec 20 | 0753 | M 1.0 |
| 2 | Dec 19 | 1558 | M 1.0 |

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

| Date   | M-Flares | X-Flares | Solar Flux |
|--------|----------|----------|------------|
| Dec 20 | 5%       | 1%       | 118        |
|        |          |          |            |



|        |    |    |     |
|--------|----|----|-----|
| Dec 21 | 5% | 1% | 116 |
| Dec 22 | 5% | 1% | 116 |

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on December 15, 2025).

| Date   | Flux | Kp |
|--------|------|----|
| Dec 20 | 115  | 3  |
| Dec 21 | 115  | 2  |
| Dec 22 | 125  | 5  |
| Dec 23 | 135  | 5  |

| Date   | Flux | Kp |
|--------|------|----|
| Dec 24 | 145  | 5  |
| Dec 25 | 155  | 5  |
| Dec 26 | 165  | 5  |
| Dec 27 | 175  | 4  |

| Date   | Flux | Kp |
|--------|------|----|
| Dec 28 | 180  | 3  |
| Dec 29 | 175  | 3  |
| Dec 30 | 180  | 6  |
| Dec 31 | 180  | 5  |

A Hole In The Sun's Atmosphere

A hole in the sun's atmosphere is [directly facing Earth](#), and it is spewing a stream of high-speed solar wind in our direction. Minor [G1](#)-class geomagnetic storms are possible on Dec. 24th when the gaseous material arrives. Arctic sky watchers should be alert for Christmas Lights.  
(Copyright © [SpaceWeather.com](#) December 20, 2025. Republished by permission.)

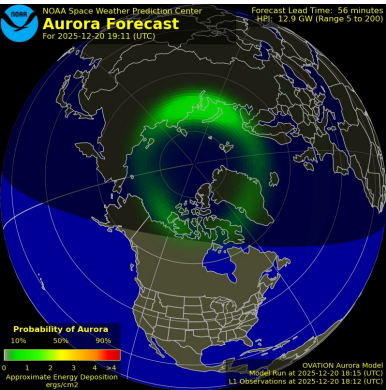
Global D Region Absorption

Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by “back-scatter” and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.  
Sunspots: 382 on August 10, 2024.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)  
NOAA <https://www.swpc.noaa.gov/>  
<https://www.spaceweather.com/>

<https://www.solarham.com/>  
<https://dx.gsl.net/propagation/>

## A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

(Compiled from information on NOAA.gov and other sources.)

## Contest Calendar

### Weekly Contests

| Contest                | Start UTC |       | End   | Web Site              |
|------------------------|-----------|-------|-------|-----------------------|
| K1USN Slow Speed Test  | Monday    | 0000Z | 0100Z | <a href="#">Rules</a> |
| ICWC Medium Speed Test | Monday    | 1300Z | 1400Z | <a href="#">Rules</a> |
|                        | Monday    | 1900Z | 2000Z |                       |
|                        | Tuesday   | 0300Z | 0400Z |                       |
| CWops Test (CWT)       | Wednesday | 1300Z | 1400Z | <a href="#">Rules</a> |
|                        | Wednesday | 1900Z | 2000Z |                       |
|                        | Thursday  | 0300Z | 0400Z |                       |
|                        | Thursday  | 0700Z | 0800Z |                       |
| Weekly RTTY Test       | Friday    | 0145Z | 0215Z | <a href="#">Rules</a> |
| NCCC CW Sprint (NS)    | Friday    | 0230Z | 0300Z | <a href="#">Rules</a> |

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

### Full Calendar

| Contest                            | Start  |       | End    |       | Web Site              |
|------------------------------------|--------|-------|--------|-------|-----------------------|
| <b>ARRL Rookie Roundup, CW</b>     | Dec 21 | 1800Z | Dec 21 | 2359Z | <a href="#">Rules</a> |
| RAC Winter Contest                 | Dec 27 | 0000Z | Dec 27 | 2359Z | <a href="#">Rules</a> |
| Stew Perry Topband Challenge       | Dec 27 | 1500Z | Dec 28 | 1500Z | <a href="#">Rules</a> |
| RAEM Contest                       | Dec 28 | 0000Z | Dec 28 | 1159Z | <a href="#">Rules</a> |
| ARRL Kids Day                      | Jan 3  | 1800Z | Jan 3  | 2359Z | <a href="#">Rules</a> |
| <b>ARRL RTTY Roundup</b>           | Jan 3  | 1800Z | Jan 4  | 2400Z | <a href="#">Rules</a> |
| North American QSO Party, CW       | Jan 10 | 1800Z | Jan 11 | 0600Z | <a href="#">Rules</a> |
| North American QSO Party, SSB      | Jan 17 | 1800Z | Jan 18 | 0600Z | <a href="#">Rules</a> |
| ARRL January VHF Contest           | Jan 17 | 1900Z | Jan 19 | 0359Z | <a href="#">Rules</a> |
| CQ 160-Meter Contest, CW           | Jan 23 | 2200Z | Jan 25 | 2159Z | <a href="#">Rules</a> |
| REF Contest, CW                    | Jan 24 | 0600Z | Jan 25 | 1800Z | <a href="#">Rules</a> |
| Vermont QSO Party                  | Feb 7  | 0000Z | Feb 8  | 2400Z | <a href="#">Rules</a> |
| 10-10 Int. Winter Contest, SSB     | Feb 7  | 0001Z | Feb 8  | 2359Z | <a href="#">Rules</a> |
| Mexico RTTY International Contest  | Feb 7  | 1200Z | Feb 8  | 2359Z | <a href="#">Rules</a> |
| Minnesota QSO Party                | Feb 7  | 1400Z | Feb 7  | 2400Z | <a href="#">Rules</a> |
| British Columbia QSO Party         | Feb 7  | 1600Z | Feb 8  | 2400Z | <a href="#">Rules</a> |
| North American Sprint, CW          | Feb 8  | 0000Z | Feb 8  | 0359Z | <a href="#">Rules</a> |
| ARRL School Club Roundup           | Feb 9  | 1300Z | Feb 13 | 2359Z | <a href="#">Rules</a> |
| CQ WW RTTY WPX Contest             | Feb 14 | 0000Z | Feb 15 | 2400Z | <a href="#">Rules</a> |
| CQ 160-Meter Contest, SSB          | Feb 20 | 2200Z | Feb 22 | 2159Z | <a href="#">Rules</a> |
| <b>ARRL Inter. DX Contest, CW</b>  | Feb 21 | 0000Z | Feb 22 | 2400Z | <a href="#">Rules</a> |
| REF Contest, SSB                   | Feb 21 | 0600Z | Feb 22 | 1800Z | <a href="#">Rules</a> |
| South Carolina QSO Party           | Feb 21 | 1500Z | Feb 22 | 0159Z | <a href="#">Rules</a> |
| North American QSO Party, RTTY     | Feb 28 | 1800Z | Mar 1  | 0600Z | <a href="#">Rules</a> |
| <b>ARRL Inter. DX Contest, SSB</b> | Mar 7  | 0000Z | Mar 8  | 2400Z | <a href="#">Rules</a> |
| Oklahoma QSO Party                 | Mar 14 | 1400Z | Mar 15 | 2100Z | <a href="#">Rules</a> |
| Stew Perry Topband Challenge       | Mar 14 | 1500Z | Mar 15 | 1500Z | <a href="#">Rules</a> |
| Idaho QSO Party                    | Mar 14 | 1900Z | Mar 15 | 1900Z | <a href="#">Rules</a> |
| North American Sprint, RTTY        | Mar 15 | 0000Z | Mar 15 | 0359Z | <a href="#">Rules</a> |
| Wisconsin QSO Party                | Mar 15 | 1800Z | Mar 16 | 0100Z | <a href="#">Rules</a> |
| BARTG HF RTTY Contest              | Mar 21 | 0200Z | Mar 23 | 0200Z | <a href="#">Rules</a> |
| Russian DX Contest                 | Mar 21 | 1200Z | Mar 22 | 1200Z | <a href="#">Rules</a> |
| Virginia QSO Party                 | Mar 21 | 1400Z | Mar 22 | 2400Z | <a href="#">Rules</a> |

(Contest data courtesy of the [WA7BNM Contest Calendar](#) )